

U.S. Department of Commerce, Patent and Trademark Office				Atty. Docket No.		Serial No.	
				M-4816-4C US		10/688,531	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant(s)			
(Use several sheets if necessary)				Donald S. Stern and Peter M. Redford			
				Filing Date		Group	
				October 16, 2003		3713	

**U.S. Patent Documents**

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
/	AA	2,900,446		McLaughlin et al.			
	AB	2,907,824	10/06/1959	Peek, Jr.			
	AC	3,005,050	10/17/1961	Koenig, Jr.			
	AD	3,304,612	02/21/1967	Proctor et al.			
	AE	3,308,253	03/07/1967	Krakinowski			
	AF	3,522,664	08/04/1970	Lambright et al.			
	AG	3,541,541	11/17/1970	Engelbart			
	AH	3,591,718	07/06/1971	Baxter et al.			
	AI	3,593,115	07/13/1971	Dym et al.			
	AJ	3,662,105	05/09/1972	Hurst et al.			
/	AK	3,699,439	10/17/1972	Turner			

**Foreign Patent Documents**

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
/	AL	0 222 919 A1	05/27/1987	European Patent Appln				
/	AM	61-137797	06/25/1986	JP				
/	AN	63-213016	09/05/1988	JP				

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AO	Abstract from Patent No.: 4,503,286, "Input Device," <u>Official Gazette</u> , page 3/4, March 5, 1985
/	AP	Advertisement for Casio Portable CD Player, Model PZ-830, #410827†, 1 page, believed to be prior to 1997
/	AQ	Amp, "Create Your Own Sensor, Use this free sample of Piezo Film to demonstrate some of the film's principles," 1 page, believed to be prior to 1997
/	AR	Amp, "Passive Infrared Module (PIRM)," Cat. 65774, 8/93, pp. 1-2

Examiner	/	Date Considered	9/22/05
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U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	3,705,956	12/12/1972	Dertouzos			
	AB	3,798,370	03/19/1974	Hurst			
	AC	3,806,912	04/23/1974	Eckert			
	AD	3,885,097	05/20/1975	Pobgee			
	AE	3,906,197	09/16/1975	Grover			
	AF	3,911,215	10/07/1975	Hurst et al.			
	AG	3,959,585	05/25/1976	Mattes et al.			
	AH	4,021,932	05/10/1977	Lipps			
	AI	4,022,971	05/10/1977	Rodgers			
	AJ	4,079,194	03/14/1978	Kley			
AK	4,102,067	07/25/1978	Tarrant				

  

Foreign Patent Documents							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL	4-104699	04/07/1992	JP			X	
	AM	1,120,526	07/17/1968	London Patent Office U.K.				
	AN							
	AO							
	AP							

  

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
AQ	Amp, "Passive Infrared Sensor Design Tips," Appln. Note 65753, 8/01/93, Rev. A., pp. 1-2	
AR	Amp, "Piezo Film Component Design Kits," Cat 65715, Rev. 9/93, pp. 1-2	
AS	Amp, "Piezo Film Sensors, Product Summary and Price List," 8/01/93, Rev. A., pp. 1-4	

  

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U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
16	AA	4,126,760	11/21/1978	Gordon				
	AB	4,127,876	11/28/1978	Schwartz				
	AC	4,149,029	04/10/1979	Pobgee				
	AD	4,208,648	06/17/1980	Naumann				
	AE	4,214,122	07/22/1980	Kley				
	AF	4,222,188	09/16/1980	Tarrant et al.				
	AG	4,286,399	09/01/1981	Funahashi et al.				
	AH	4,289,925	09/15/1981	Lambden				
	AI	4,291,303	09/22/1981	Cutler et al.				
	AJ	4,293,734	10/06/1981	Pepper, Jr.				
	AK	4,299,041	11/10/1981	Wilson				
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Amp, "PIRL 180-100 Amplifier Schematic," Instruction Sheet 408-9950, 8/01/93, 1 page						
	AR	Amp, "PIRL 180-100 Passive Infrared Detector," Cat. 65776, 12/93, pp. 1-2						
	AS	Amp, "Summary of Operating Properties: DTI-028K," Appln. Spec. 114-1801, 8/01/93, Rev. A, pp. 1-6						
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16		9/22/05						
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U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	4,313,113	01/26/1982	Thornburg				
	AB	4,315,238	02/09/1982	Eventoff				
	AC	4,319,078	03/09/1982	Yokoo et al.				
	AD	4,363,081	12/07/1982	Wilbur				
	AE	4,444,998	04/24/1984	House				
	AF	4,455,450	06/19/1984	Margolin				
	AG	4,484,026	11/20/1984	Thornburg				
	AH	4,488,179	12/11/1984	Kruger et al.				
	AI	4,497,126	02/05/1985	Dejean				
	AJ	4,503,286	03/05/1985	Kubo et al.				
	AK	4,553,161	11/12/1985	Citta				
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AL	Amp, "Standard Products for Many Applications," (piezo film sensors), 6 pages, believed to be prior to 1997						
	AM	<del>Article taken from Electronics, "Switches - Special Advertising Section," pages SW-6, July 12, 1984</del>						
	AN	<del>Article taken from PC Magazine - Trends/Trends &amp; Technologies Shaping the Personal Computer Market, "The Simple PC," May 28, 1996, page 31</del>						
	AO	<del>Brochure entitled: Micropad, copyright 1981 Micropad Ltd., three pages</del>						
	AP	<del>Brochure produced by TV Interactive Corporation - TVIR Driver for IR Remote Control Protocol Specification Version 0.27, pages 1 to 64, February 6, 1997</del>						
	AQ	<del>Brochure produced by TV Interactive Corporation - TVIR Driver for Microsoft Windows - Driver Version 0.10, pages 1 to 39, February 7, 1997</del>						
	AR	<del>Catalog produced by EECO Incorporated, entitled: "Membrane Switch Catalog," copyright 1985 - six text pages</del>						
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U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JG	AA	4,564,079	01/14/1986	Moore et al.			
	AB	4,570,149	02/11/1986	Thornburg et al.			
	AC	4,581,483	04/08/1986	Ralston			
	AD	4,587,378	05/06/1986	Moore			
	AE	4,607,747	08/26/1986	Steiner			
	AF	4,614,266	09/30/1986	Moorhead			
	AG	4,636,881	01/13/1987	Brefka et al.			
	AH	4,703,573	11/03/1987	Montgomery et al.			
	AI	4,712,105	12/08/1987	Kohler			
		AJ	4,739,299	04/19/1988			
JG	AK	4,740,912	04/26/1988	Whitaker			

  

Foreign Patent Documents							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

  

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AO	Curran, L.J., "Technology Update: Video Dialtone - Video Networks Poised for Commercial Service," EDN, June 22, 1995, pps. S-20, S-22, S-23
	AR	Ford, A., "Spinning the Web," International Thomson Publishing, 1995, five text pages
JG	AS	GIST, www.GIST.com..... connecting TV & the Internet, http://www.theGIST.com/, Copyright © 1996 GIST Communications, Inc., 12/2/96, pp. 1-3

  

Examiner	JG	Date Considered	9/22/01
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U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	4,746,953	05/24/1988	Knodt				
	AB	4,786,767	11/22/1988	Kuhlman				
	AC	4,810,992	03/07/1989	Eventoff				
	AD	4,831,547	05/16/1989	Ishiguro et al.				
	AE	4,855,725	08/08/1989	Fernandez				
	AF	4,866,522	09/12/1989	Beckley				
	AG	4,866,865	09/19/1989	Yang				
	AH	4,884,974	12/05/1989	DeSmet				
	AI	4,897,511	01/30/1990	Itaya et al.				
	AJ	4,920,432	04/24/1990	Eggers et al.				
	AK	4,296,255	05/15/1990	Von Kohorn				
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Glaskowsky, Peter. N., "PCs Head Toward Appliance Status," Microdesign Resources, Microprocessor Report, May 6, 1996, pp. 12-14						
	AR	Hevesi, J.F., "Analog Data Tablet," IBM Technical Disclosure Bulletin, Vol. 23, No. 2, July 1980, pps 666-667						
	AS	Information Brochure entitled: "DVD Main Specifications," published by: Philips Electronics N.V., Copyright 1996 - two pages						
Examiner				Date Considered				
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## U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
26	AA	4,942,275	07/17/1990	Addy et al.			
	AB	4,963,702	10/16/1990	Yaniger et al.			
	AC	4,963,876	10/16/1990	Sanders et al.			
	AD	4,966,285	10/30/1990	Otake et al.			
	AE	5,008,497	04/16/1991	Asher			
	AF	5,059,126	10/22/1991	Kimball			
	AG	5,063,698	11/12/1991	Johnson et al.			
	AH	5,093,718	03/03/1992	Hoarty et al.			
	AI	5,101,490	03/31/1992	Getson, Jr. et al.			
	AJ	5,113,440	05/12/1992	Harney et al.			
	AK	5,120,230	06/09/1992	Clark et al.			

## Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	Internet Publication entitled: Welcome to JumpCity! <a href="http://www.jumpcity.com/start.shtml">http://www.jumpcity.com/start.shtml</a> , July 17, 1997 - two pages
AR	Manes, S., "Destination Computer/TV Not Ready For Prime Time," article taken from San Jose Mercury News, May 19, 1996 - one page
AS	Manual entitled: Technology, "SQ555, SQ5110 and SQ5110C Removable Cartridge Disk Drive - Cartridge Handling," pps. 3-2 to 3-8, copyright 1992

Examiner

Date Considered

9/16/04

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U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>JS</i>	AA	5,157,496	10/20/1992	Kurosawa			
<i>JS</i>	AB	5,181,024	01/19/1993	Tsunoda et al.			
	AC	5,188,533	02/23/1993	Wood			
	AD	5,213,337	05/25/1993	Sherman			
	AE	5,233,333	08/03/1993	Borsuk			
	AF	5,233,423	08/03/1993	Jernigan et al.			
	AG	5,235,328	08/10/1993	Kurita			
	AH	5,248,164	09/28/1993	Lepretre			
	AI	5,275,285	01/04/1994	Clegg			
<i>JS</i>	AJ	5,278,547	01/11/1994	Suman et al.			
<i>JS</i>	AK	5,283,819	02/01/1994	Glick et al.			
Foreign Patent Documents							
							Translation
		Document	Date	Country	Class	Subclass	Yes No
	AL						
	AM						
	AN						
	AO						
	AP						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AC	Manual produced by: <del>Norpak Corporation</del> , "TES3 EIA-516 NABTS Data Broadcast Encoder Software User's Manual," pps 1-19, copyright 1995					
	AR	Manual produced by: <del>Norpak Corporation</del> , "TES3/GES3 Hardware Manual," , pps 1-1 to 4-2, November 10, 1995					
<i>JS</i>	AS	Microsoft, "OnNow and ACPI: Introduction and Specifications," <a href="http://www.microsoft.com/pcfuture/ONNOW.HTM">http://www.microsoft.com/pcfuture/ONNOW.HTM</a> . © 1996 Microsoft Corporation, 11/12/96, pp.1-3					
Examiner	<i>JS</i>			Date Considered	<i>9/22/05</i>		
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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>/s/</i>	AA	5,290,190	03/01/1994	McClanahan			
<i>↑</i>	AB	5,335,079	08/02/1994	Yuen et al.			
	AC	5,368,488	11/29/1994	Gentile			
	AD	5,374,195	12/20/1994	McClanahan			
	AE	5,396,546	03/07/1995	Remillard			
	AF	5,417,575	05/23/1995	McTaggart			
	AG	5,419,705	05/30/1995	Sandvik			
	AH	5,457,780	10/10/1995	Shaw et al.			
	AI	5,464,092	11/07/1995	Seeley			
<i>↓</i>	AJ	5,467,433	11/14/1995	Lamprecht, Jr. et al.			
<i>/s/</i>	AK	5,524,193	06/04/1996	Covington et al.			
Foreign Patent Documents							
							Translation
		Document	Date	Country	Class	Subclass	Yes No
	AL						
	AM						
	AN						
	AO						
	AP						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>/s/</i>	AQ	Microsoft, "SIPC: Introduction to Simply Interactive PC," <a href="http://www.microsoft.com/pcfuture/sipc.htm">http://www.microsoft.com/pcfuture/sipc.htm</a> © 1996 Microsoft Corporation, 11/22/96, pp. 1-3					
<i>/s/</i>	AR	Redford, P.M., book entitled: "Video On Demand for Interactive Television - Featuring TVIQ Technology," produced by TV Interactive Corporation, pps P-1 to 15-22 (1996)					
<i>/s/</i>	AS	Sensory Inc., "RSC-164, Recognition • Synthesis • Control," From the Interactive Speech™ Line of Products, ©1995 Sensory Inc., 8 pages					
Examiner <i>/s/</i>	Date Considered <i>9/22/05</i>						
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/	AA	5,530,960	06/25/1996	Parks et al.	/			
	AB	5,551,905	09/03/1996	Billings et al.				
	AC	5,567,163	10/22/1996	Ku				
	AD	5,569,549	10/29/1996	Redford				
	AE	5,574,519	11/12/1996	Manico et al.				
	AF	5,585,865	12/17/1996	Amano et al.				
	AG	5,594,509	01/14/1997	Florin et al.				
	AH	5,604,544	02/18/1997	Bertram				
	AI	5,624,265	04/29/1997	Redford et al.				
	↓	AJ	5,645,432	07/08/1997		Jessop		
/	AK	5,670,760	09/23/1997	Christy				
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							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
/	AQ	Sharp, "PT460/PT460F/PT461/PT461F/PT465F Double-end Type Phototransistor," pp. 234, 235 and 238, believed to be prior to 1997						
	AR	Shultz, D., "Let Your Fingers Find The Web Sites," article taken from <u>California Bar Journal</u> , April 1997 - one page						
	AS	Takahashi, D., "TV Interactive to Unveil 'Smart' Paper To Control Computers, Market Products," article taken from <u>The Wall Street Journal</u> , September 9, 1996, Section B7D - one page						
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<i>JS</i>	AA	5,703,795	12/30/1997	Mankovitz				
<i>JS</i>	AB	5,711,672	01/27/1998	Redford et al.				
	AC	5,757,304	05/26/1998	Redford et al.				
	AD	5,763,112	06/09/1998	Redford				
	AE	5,795,156	08/18/1998	Redford et al.				
	AF	5,807,176	09/15/1998	Forsse et al.				
	AG	5,810,604	09/22/1998	Kopp et al.				
<i>JS</i>	AH	5,859,628	01/12/1999	Ross et al.				
<i>JS</i>	AI	4,503,286	3/1/98	Kubo et al				
	AJ							
	AK							
Foreign Patent Documents								
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		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
<i>JS</i>	AQ	The 101 Cruise Caper, Disney Enterprises, Inc. 1996 Hasbro, Inc, Pawtucket, RI, 23 pages						
<i>JS</i>	AR	Thompson, M., "Advanced in Passive Infrared Sensors Based on Pyroelectric Polymer Films," Presented at the 1991 Sensors Conference, Chicago, IL. October, 1991, pp. 1-20						
<i>JS</i>	AS	VideoGuide, "Welcome to Video Guide," <a href="http://www.vgi.com/">http://www.vgi.com/</a> , Copyright © 1995-1996 VideoGuide Inc., 10/11/96, 16 pages						
Examiner	<i>JS</i>		Date Considered		9/27/04			
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